SEQUENCE LISTING

<110> Wilson, Charles
      Epstein, David
      Diener, John

<120> Prophylactic And Therapeutic HIV Aptamers

<130> 23239-538 (Arch-38)

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<141> 2003-09-16

<150> 60/411,414
<151> 2002-09-17

<150> 60/461,966
<151> 2003-04-10

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<151> 2003-07-25

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<170> PatentIn version 3.2

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<211> 86
<212> DNA
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<220>
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agttcgacag gaggctcaca acaggc   86

<210> 57
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<220>
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agttcgacag gaggctcaca acaggc   .   86

<210> 58
<211> 87
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<220>
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<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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agttcgacag gaggctcaca acaggc                                          86


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agttcgacag gaggctcaca acaggc                                          86


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agttcgacag gaggctcaca acaggc                                            86


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<210>  76
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agttcgacag gaggctcaca acaggc   86

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agttcgacag gaggctcaca acaggc   86

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<210> 80
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<210> 81
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<220>
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tgttcgacag gaggctcaca acaggc   86

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tgttcgacag gaggctcaca acaggc   86

<210> 87
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<220>
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gagttcgaca ggaggctcac aacaggc   87

<210> 88
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gtgttcgaca ggaggctcac aacaggc   87

<210> 89
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tgttcgacag gaggctcaca acaggc   86

<210> 90
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<210> 91
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tgttcgacag gaggctcaca acaggc   86

<210> 92
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<220>
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tgttcgacag gaggctcaca acaggc   86

<210> 93
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<220>
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tgttcgacag gaggctcaca acaggc   86

<210> 94
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tgttcgacag gaggctcaca acaggc   86

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<220>

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<210> 97
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tgttcgacag gaggctcaca acaggc   86

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agttcgacag gaggctcaca acaggc   86

<210> 99
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<213> Artificial

<220>
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<223> n is a, c, g, or t

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<210> 105
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33

tgttcgacag gaggctcaca acaggc   86

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tgttcgacag gaggctcaca acaggc   86

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<220>
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tgttcgacag gaggctcaca acaggc   86

<210> 111
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<220>
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34

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<210>  114
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<210>  121
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<210>  122
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<210>  123
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<210>  124
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<211> 85
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<220>
<223> Cloned DNA Sequence

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<210> 125
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<220>
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agttcgacag gaggctcaca acaggc   86

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<210> 127
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<220>
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<210> 128
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<210>  130
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<223>  n is a, c, g, or t

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agttcgacag gaggctcaca acaggc   86

<210> 133
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tgttcgacag gaggctcaca acaggc   86

<210> 134
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agttcgacag gaggctcaca acaggc   86

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tgttcgacag gaggctcaca acaggc   86

<210> 136
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<213> Artificial

<220>
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tgttcgacag gaggctcaca acaggc   86

<210> 137
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agttcgacag gaggctcaca acaggc   86

<210> 138
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agttcgacag gaggctcaca acaggc   86

<210> 139
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<220>
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agttcgacag gaggctcaca acaggc   86

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tgttcgacag gaggctcaca acaggc                                            86



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tgttcgacag gaggctcaca acaggc                                            86



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tgttcgacag gaggctcaca acaggc                                            86



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tgttcgacag gaggctcaca acaggc                                            86
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tgttcgacag gaggctcaca acaggc                                           86


<210>   145
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tgttcgacag gaggctcaca acaggc                                           86


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tgttcgacag gaggctcaca acaggc                                           86


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<223>   n is a, c, g, or t

<400>   147
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<220>
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tgttcgacag gaggctcaca acaggc   86

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<220>
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tgttcgacag gaggctcaca acaggc   86

<210> 150
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<220>
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tgttcgacag gaggctcaca acaggc   86

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<220>

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<223>  n is a, c, g, or t

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<223>  n is a, c, g, or t

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atttcgacag ggggctcaca acaggc                                          86


<210>  153
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tgttcgacag gaggctcaca acaggc                                          86


<210>  154
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attcgacagg aggctcacaa caggc                                           85


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gctttcgaca ggaggctcac aacaggc                                         87


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<210>  159
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<211> 88
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<210> 162
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<212> DNA
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<220>
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<400> 162
ggagccttcc tccggaagtc aagagtaaca cagggaatgc gtactcttct tatttgtccg   60

gtttcccgag ctt   73

<210> 163
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<212> DNA
<213> Artificial

<220>
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gtttcccgag ctt   73

<210> 164
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<212> DNA
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<220>
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gtttcccgag ctt   73

<210> 165
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<220>
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gtttcccgag ctt   73

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<220>
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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

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<220>
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gtttcccgag ctt   73

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gtttcccgag ctt   73

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<220>
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gtttcccgag ctt   73

<210> 197
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gtttcccgag ctt   73

<210> 198
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gtttcccgag ctt   73

<210> 199
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gtttcccgag ctt   73

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gtttcccgag ctt                                                           73


<210>  201
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gtttcccgag ctt                                                           73


<210>  202
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gtttcccgag ctt                                                           73


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gtttcccgag ctt                                                           73
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gtttcccgag ctt   73

<210> 205
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gtttcccgag ctt   73

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gtttcccgag ctt   73

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gtttcccgag ctt   73

<210> 208

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gtttcccgag ctt                                                         73


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gtttcccgag ctt                                                         73


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ggtttcccga gctt   74

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gtttcccgag ctt   73

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gtttcccgag cta   73

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<220>
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ccggtttccc gagctt   76

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gtttcccgag ctt   73

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<220>
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tttcccgagc tt   72

<210> 216
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gtttcccgag ctt   73

<210> 218
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<213> Artificial

<220>
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gtttcccgag ctt                                                              73


<210>  219
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<220>
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cggtttcccg agctt                                                       75


<210>  220
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<212>  DNA
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<220>
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<400>  220
ggagccttcc tccggaaacg cttatgcaat taagcatccg actcatttgt cttttgggtc      60

cggtttcccg agctt                                                       75


<210>  221
<211>  73
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<220>
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<400>  221
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gtttcccgag ctt                                                         73


<210>  222
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<220>
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<400>  222
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gtttcccgag ctt                                                         73
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<212> DNA
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gtttcccgag ctt   73

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<212> DNA
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<220>
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tttcccgagc tt   72

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<212> RNA
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<220>
<223> Aptamer structure

<400> 225
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<210> 226
<211> 82
<212> RNA
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<220>
<223> Isolated clone sequence

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cgacaggagg cucacaacag gc   82

<210> 227

63

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<211>   42
<212>   RNA
<213>   Artificial

<220>
<223>   Truncated isolated clone sequence

<400>   227
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<210>   228
<211>   16
<212>   RNA
<213>   Artificial

<220>
<223>   Chemically synthesized portion of diverse pool

<400>   228
ggacacauac ucuaca                                                       16


<210>   229
<211>   55
<212>   RNA
<213>   Artificial

<220>
<223>   Chemically synthesized portion of diverse pool

<400>   229
gggauaaacg cucaaccgaa gcgcgacgac uagacgucaa uuuaucaacc uucga            55


<210>   230
<211>   20
<212>   RNA
<213>   Artificial

<220>
<223>   Chemically synthesized portion of diverse pool

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<210>   231
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<220>
<223>   Biotinylated sulfotyrosine-CCR5 peptide


<220>
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<222>  (9)..(9)
<223>  SULFATATION

<220>
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<223>  Xaa is tyrosine

<220>
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<400>  231

Asp Tyr Gln Val Ser Ser Pro Ile Xaa Asp Ile Asn Xaa Tyr Thr Ser
1               5                   10                  15


Glu Gly Ala Gly Lys
            20
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